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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=6; day=16; hr=13; min=29; sec=42; ms=931;]

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Application No: 10612468

Version No: 6.0

Input Set:**Output Set:****Started:** 2009-05-28 15:00:03.949**Finished:** 2009-05-28 15:00:12.933**Elapsed:** 0 hr(s) 0 min(s) 8 sec(s) 984 ms**Total Warnings:** 116**Total Errors:** 49**No. of SeqIDs Defined:** 168**Actual SeqID Count:** 168

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Input Set:

Output Set:

Started: 2009-05-28 15:00:03.949
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Elapsed: 0 hr(s) 0 min(s) 8 sec(s) 984 ms
Total Warnings: 116
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No. of SeqIDs Defined: 168
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Error code	Error Description
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Input Set:

Output Set:

Started: 2009-05-28 15:00:03.949
Finished: 2009-05-28 15:00:12.933
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Total Warnings: 116
Total Errors: 49
No. of SeqIDs Defined: 168
Actual SeqID Count: 168

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SEQUENCE LISTING

<110> Zang, Jingwu Z.
Ho, Walter Kowk Keung
Zhang, Dongqing
Sun, Wei

<120> T Cell Receptor CDR3 Sequence and Methods for
Detecting and Treating Rheumatoid Arthritis

<130> D6622

<140> 10612468
<141> 2003-07-02

<160> 168

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(TCR) in patients with rheumatoid arthritis (RA)

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<213> Homo sapiens

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Ser Trp Gly Gly

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Ala Gly Pro Leu Glu Ala Gln Val Thr Gln Asn Pro Arg Tyr Leu

20 25 30

Ile Thr Val Thr Gly Lys Lys Leu Thr Val Thr Cys Ser Gln Asn

35 40 45

Met Asn His Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Leu

50 55 60

Gly Leu Arg Gln Ile Tyr Tyr Ser Met Asn Val Glu Val Thr Asp

65 70 75

Lys Gly Asp Val Pro Glu Gly Tyr Lys Val Ser Arg Lys Glu Lys

80 85 90

Arg Asn Phe Pro Leu Ile Leu Glu Ser Pro Ser Pro Asn Gln Thr

95 100 105

Ser Leu Tyr Phe Cys Ala Ser Ser

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 Asp Asn Leu Tyr Trp Tyr Arg Arg Val Met Gly Lys Glu Ile Lys
 35 40 45
 Phe Leu Leu His Phe Val Lys Glu Ser Lys Gln Asp Glu Ser Gly
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PCR analysis

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PCR analysis

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